BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK : CONSTRUCTION OF CULVERTS AND PROVIDING MISSING SLABS IN YELAHANKA IN WARD NO.02 OF YELAHANKA SUB-DIVISION

Estimate Cost Rs. 10.00 Lakhs

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
1	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.3)								
	for Culverts	Cum							
			6	6.00	1.85	1.35	89.91		
			2	10.00	1.85	1.40	51.80		
							141.71	200.34	**28390.00**
	Basic Rate	189.00							
	Area Weightage @ 6%	11.34							
	Total	**200.34**							
2	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1)								
		Cum							
					Qty Vide Item No.1		**141.71**	100.00	**14171.00**
	Average Weight of Earth 1.28 Tonne/Km								
	Basic Rate Lead Charges for 10.00 Kms (2.50X1.28X10.00)	32.00							
	Add loading and unloading Item No 17.1)	68.00							
	Total	**100.00**							
3	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.3)								
		Cum							
			6	6.00	1.85	0.15	6.66		
			2	10.00	1.85	0.15	11.10		
							17.76	5159.02	**91624.00**
	Basic Rate	4867.00							
	Area Weightage @ 6%	292.02							

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Total	**5159.02**						
4 KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in c[illegible]ses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (Page No. 23/ Item No. 5.6)								
	Sqm							
		2	6	6.00	0.60	0.80	34.56	
		2	2	10.00	0.60	1.00	24.00	
							58.56	4438.22	**259902.00**
	Basic Rate	4187.00						
	Area Weightage @ 6%	251.22						
	Total	**4438.22**						
5 KSRB 15.1.1: Providing **flush pointing** to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.(Page No.113/Item No. 15.1)								
	Sqm							
		2	6	6.00		0.80	57.60	
		2	2	10.00		1.00	40.00	
							97.60	102.82	**10035.00**
	Basic Rate	97.00						
	Area Weightage @ 6%	5.82						
	Total	**102.82**						
6 KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs with 20mm and down size graded granite metal coarse aggregate @ 0.84cum and fine aggregate @ 0.56 cum machine mixed concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2.(P No. 13 / Item No.4.7)								
	Cum							
vent		1	6	6.00	0.60	0.10	2.16	
		1	2	10.00	0.60	0.10	1.20	
coping		2	6	6.00	0.60	0.10	4.32	
		2	2	10.00	0.60	0.10	2.40	
Ramp		2	6	6.00	0.80	0.125	7.20	
							17.28	5598.92	**96749.00**
	Basic Rate	5282.00						
	Area Weightage @ 6%	316.92						

	escription of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
		Total 5598.92							
7	Providing and fixing **RCC precast Slabs of 0.10 m thick of CC 1:2:4 with 20 m** and down size graded granite metal , machine mixed , including cost of all material , labour , HOM of Machinery , curing complete								
	Replaced for Missing and Broken slabs	Sqm							
			80	0.90	0.60		43.20		
							43.20	2100.00	**90720.00**
	Data Rate **2100.00**								
8	Providing and fixing **RCC precast Slabs of 0.20 m thick of CC 1:2:4 with 20 mm** and down size graded granite metal , machine mixed , including cost of all material , labour , HOM of Machinery , curing complete								
	for culverts	Sqm							
			85	1.80	0.60		91.80		
							91.80	4402.79	**404176.00**
	Data Rate **4402.79**								
9	Miscellaneous and unforeseen charges	LS							**4233.00**
							Grand Total Amount		**1000000.00**

(Rupees Ten Lakhs Only)

CERTIFICATE

1) The site has been inspected and the work is found to be necessary.
2) The rates adopted are as per PW,P IWTD SR of 2016-17 and data rate of Bangalore Circle.
3) The provisions were made in this estimate are necessary and adequate.
4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.

Assistant Engineer
Ward No.02

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

Executive Engineer
Yelahanka Division
B.B.M.P

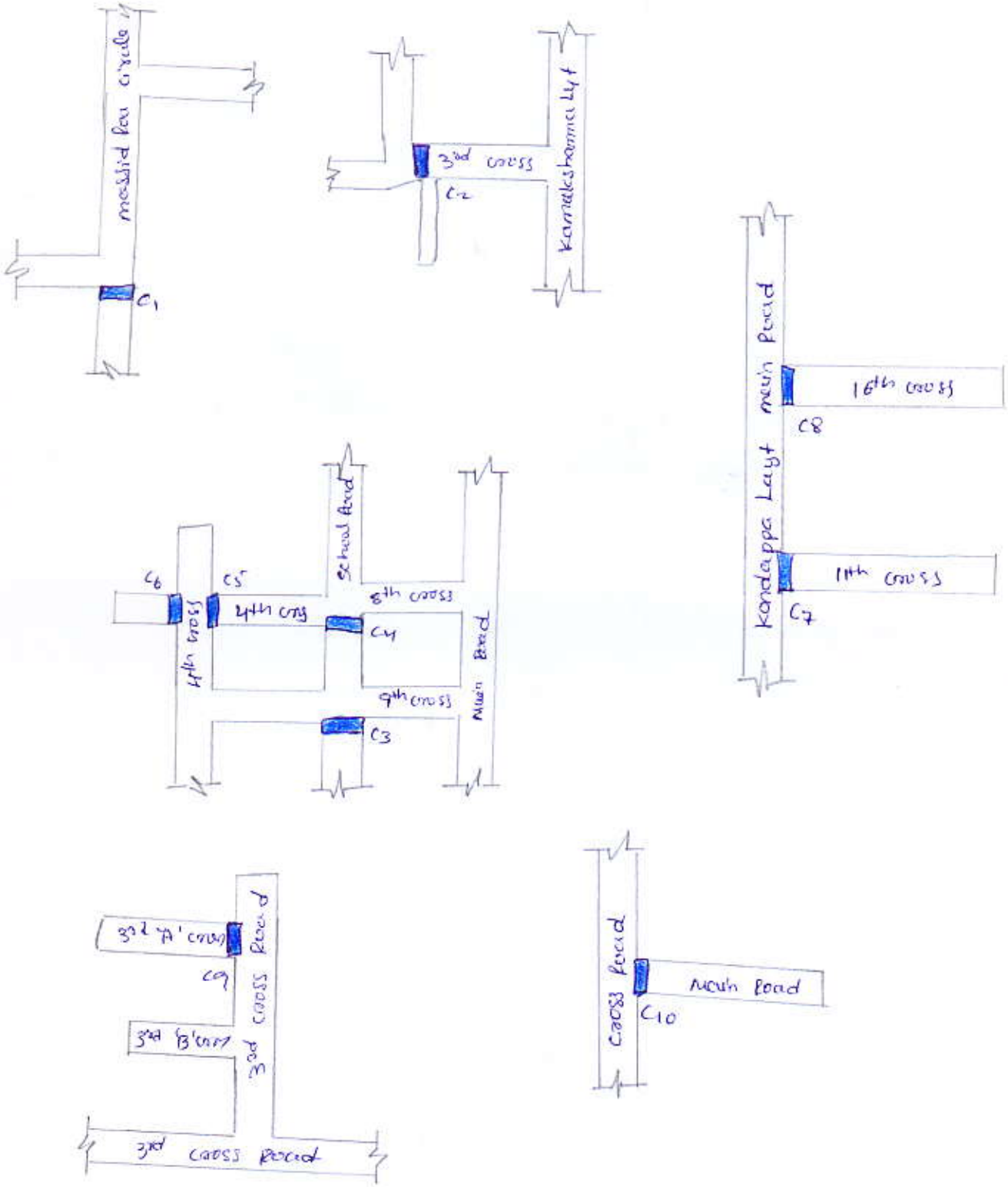
Administrative Sanction for Rs. 10.00 lac
Ten Lacks 00/-
is accorded under head P. 1771
2016-17
Registered as CE No. ..... Subject to conditions contained in enclosed memo No. EE/AA/46/16-17 Dt. .....

Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 10.00 L
Rupees Ten Lacks 00/-
Under P. 1771 - 2016-17
Registered as 9 9
Subject to conditions contained in enclosed memo No. ..... /SI
Dt. ..... Estimate & Sanctioned
EE/TS/64/16-17 No. .....
Dated 16-2-17 Rs. 10,00,000

Executive Engineer

ME OF WORK :- Construction of culverts and providing missing slabs in Yelahanka in ward No. 02 of Yelahanka sub-division



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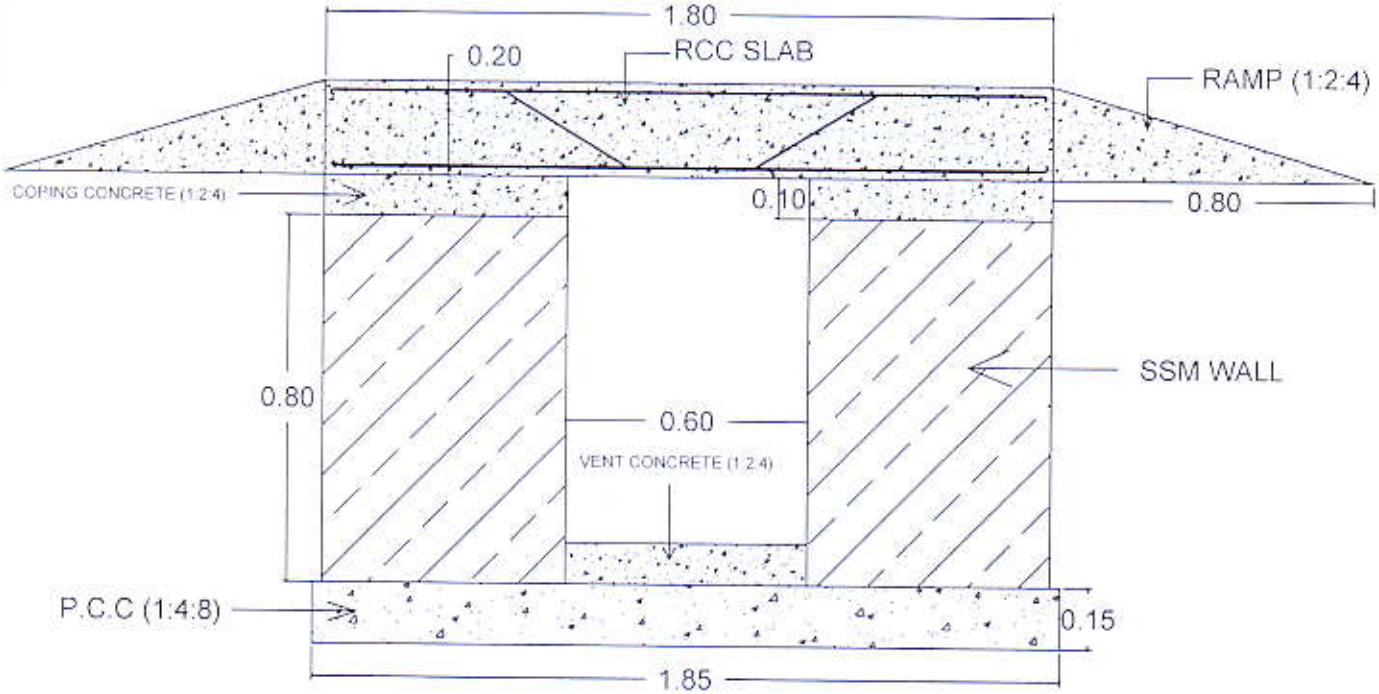
- CULVERT

NAME OF WORK : CONSTRUCTION OF CULVERTS AND PROVIDING MISSING SLABS IN YELAHANKA IN WARD NO.02 OF YELAHANKA SUB-DIVISION



CROSS SECTION OF CULVERT

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

YELAHANKA ZONE
WARD 2-CHOWDESHWARI WARD

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore